

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008
Classification according to Directive 67/548/EEC or 1999/45/EC

Issue Date: 2009-01-19

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Revision Number: 6

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name FOAM BAN® 182
Product code U2182

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses Anti-foaming agent (defoamer)
Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Manufacturer Munzing - Ultra Additives LLC.
1455 Broad Street
Bloomfield NJ 07003
United States

Email: info@munzing.us
Phone: 1-973-279-1306

Supplier Münzing Chemie GmbH
Münzingstrasse 2
74232 Abstatt
Germany

Email: info@munzing.com
Phone: +49 (0) 7131/987-0

1.4. Emergency telephone number

Emergency telephone CHEMTREC (24 hrs - for spill, leak or transportation incidents):
US: 1-800-424-9300
non-US: 1-703-527-3887

EU: +49 761 19240 (VIZ Freiburg)

Europe 112

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Specific target organ toxicity (single exposure)	Category 3 - (H335)
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Classification according to EU Directives 67/548/EEC or 1999/45/EC

Symbol

Xn - Harmful
Xi - Irritant

R-code(s)

R20; R37

Full text of R-phrases: see section 16

2.2. Label Elements**Signal Word**

Warning

Hazard Statements

H335 - May cause respiratory irritation

2.3. Other hazards

No information available.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

Chemical nature of the product Polymer dispersion.

Component	EC No.	CAS No	% [weight]	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH No.
Ethylene oxide-Propylene oxide copolymer monobutyl ether	618-542-7	9038-95-3	> 70	Xn;R20, Xi;R37	Acute Tox. 2 (H330) STOT SE, 3 (H335)	No data available

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES**4.1. Description of first aid measures****General Advice**

Take off immediately all contaminated clothing.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If

symptoms persist, call a physician.

Skin Contact

Wash with soap and water.

Inhalation

Move victim to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

Self-Protection of the First Aider

Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed

Most important symptoms and effects

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam. Water mist may be used to cool closed containers.

Unsuitable Extinguishing Media

No information available.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

Carbon oxides. Formaldehyde. Silicon dioxide.

5.3. Advice for firefighters

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protection equipment. Avoid contact with skin, eyes and clothing.

Protective precautions

Use personal protection equipment.

6.2. Environmental precautions

Environmental Precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Methods for Clean-Up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections

See Sections 5 & 7 for additional information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling	Handle in accordance with good industrial hygiene and safety practice.
General Hygiene Considerations	Take off contaminated clothing and wash before reuse. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Slippery, can cause falls if walked on.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
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7.3. Specific end use(s)

Specific Uses	No information available.
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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Derived No Effect Level (DNEL)	No information available.
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Predicted No Effect Concentration (PNEC)	No information available.
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8.2. Exposure controls

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
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Personal protective equipment

Eye/Face Protection	Safety glasses with side-shields. If splashes are likely to occur, wear: Tight sealing safety goggles.
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Skin protection	Wear suitable protective clothing and gloves.
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Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.
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Environmental exposure controls	No information available.
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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Viscous, white
Odor	mild
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	7.8	No information available
Melting point/freezing point	No information available	No information available
Boiling point	No information available	No information available
Flash Point	> 93.3 °C / 200 °F	No information available
Evaporation rate	No information available	No information available
Flammability (solid, gas)	No information available	No information available

Flammability Limit in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor Pressure	No information available	No information available
Vapor density	No information available	No information available
Specific Gravity	1.01	No information available
Water Solubility	No information available	No information available
Solubility in other solvents	Moderately soluble	No information available
Partition coefficient: n-octanol/water	No information available	No information available
Autoignition temperature	No information available	No information available
Decomposition temperature	No information available.	No information available
Viscosity	<2000 cps@25C	No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

VOC content (%) No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity Stable under normal conditions.

10.2. Chemical stability

Chemical Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

Conditions to Avoid Temperatures above 150 °C.

10.5. Incompatible materials

Incompatible Materials Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Formaldehyde. Silicon dioxide.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Eyes	Contact with eyes may cause irritation. Avoid contact with eyes.
Skin	Substance may cause slight skin irritation. Avoid contact with skin.
Inhalation	Irritating to respiratory system. Avoid breathing vapors or mists.
Ingestion	Health injuries are not known or expected under normal use.

Unknown acute toxicity 8.75% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 13,629.00 mg/kg
ATEmix (dermal) 58,182.00 mg/kg
ATEmix (inhalation-dust/mist) No data available

Component	Oral LD50	Dermal LD50	Inhalation LC50
Organosiloxane	> 17 g/kg (Rat)	> 2 g/kg (Rabbit)	
Ethylene oxide-Propylene oxide copolymer monobutyl ether	= 12300 µL/kg (Rat)	= 14100 µL/kg (Rabbit) > 20 mL/kg (Rabbit)	> 1 - < 5 mg/L (Rat, 4h)

Skin Corrosion/Irritation No information available.
Eye damage/irritation No information available.
Sensitization Not available.
Mutagenic effects No information available.
Reproductive Effects No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.
Carcinogenic effects No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Information given is based on data on the components and the ecotoxicology of similar products.

Unknown Aquatic Toxicity 99.6875% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Component	Algae	Fish	Daphnia magna
Organosiloxane polymer	-	-	EC50: 220-520 mg/L
Ethylene oxide-Propylene oxide copolymer monobutyl ether 9038-95-3	-	LC50(96h): > 100 mg/L (Golden orfe)	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation/Accumulation No information available.

12.4. Mobility in soil

Mobility in Environmental Media No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Not applicable.

12.6. Other adverse effects

Other adverse effects No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Contain and dispose of waste according to local regulations.

Contaminated packaging Empty remaining contents.

Waste codes / waste designations according to EWC / AVV Not applicable.

Section 14: TRANSPORT INFORMATION

ADR/RID Not regulated

IMDG/IMO Not regulated

IATA Not regulated

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

US TSCA	Complies
Australia (AICS)	Complies
Canada (DSL)	Complies
China (IECSC)	Complies
Europe (EINECS/ELINCS/NLP)	Complies
Japan (METI)	Complies
South Korea (KECL)	Complies
Philippines (PICCS)	Complies
New Zealand	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

WGK Classification (VwVwS) Water endangering class = 1 (self estimation)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of R-phrases referred to under sections 2 and 3

R20 - Harmful by inhalation

R37 - Irritating to respiratory system

Full text of H-Statements referred to under section 3

H330 - Fatal if inhaled

H335 - May cause respiratory irritation

Legend

SVHC: Substances of Very High Concern for Authorization:

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

* - Skin designation

Classification procedure Minimum classification

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Reason for revision Update to Format, SDS sections updated, 2.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet